AMENDMENTS

Please amend the claims as follows:

Please amend claims 14 and 15 as follows and add new claims 16-19, as shown [Claims 14-16 and 18-19 (with 18-19 being numbered 17-18) were submitted in a Response to Office Action (final) submitted 09 April 2004, but were not entered]. The below claims replace the set previously submitted. Claims 1-13 have previously been canceled and are no longer pending.

In the Claims

1. - 13. (canceled)

14. (currently amended) An electromagnetic field communications system, suitable for use with wireless communication devices, comprising:

a structure including an electrically conductive grid array having a grid opening size; and

means for generating a quasi-static non-propagating electromagnetic field within said structure by feeding a frequency signal into said electrically conductive grid array;

wherein the frequency of said frequency signal is selected such that the dimension of said grid opening size is small relative to the wavelength of said frequency signal.

15. (currently amended) The electromagnetic field communications system of claim 14, wherein

the frequency of said frequency signal is selected such that the wavelength is greater than twice the dimension of said grid opening size.

16. (new) The electromagnetic field communications system of claim 14 wherein said frequency signal is in the range of 3 to 400 Megahertz.

17. (new) The electromagnetic field communications system of claim 14 wherein said wireless communication devices are selected form the group including computer hardware and computer networking components, cellular telephones, radios, and televisions.

18. (new) An electromagnetic field system, comprising:

a structure including an electrically conducting grid array having a grid opening size;

an electromagnetic field generator for generating an quasi-static electromagnetic field within said structure by feeding a frequency signal in the range of 3 to 400 Megahertz into said electrically conductive grid array; and

wherein said grid opening size is small relative to the wavelength of said frequency signal.

19. (new) The electromagnetic field system of claim 18 wherein:

the dimension of said grid opening size is less than one half the wavelength of said frequency signal.